

# Valid GH-900 Dumps Pass Certify| High-quality GH-900 Valid Test Syllabus: GitHub Foundations



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## GH-900 Valid Test Syllabus | GH-900 Valid Exam Tips

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### Microsoft GH-900 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Working with GitHub Repositories: This domain targets Repository Administrators and Content Managers, focusing on managing repository settings and permissions. Candidates learn to configure repositories, use templates, and effectively manage files by adding, editing, and deleting. The domain also addresses versioning of files and the use of GitHub Desktop for streamlined file management tasks within repositories.</li></ul>

Topic 2	<ul style="list-style-type: none"> <li>• Collaboration Features: This section measures skills of Software Engineers and Team Leads and covers collaborative workflows using GitHub. It includes forking repositories, creating and managing pull requests, reviewing and merging code changes, and using GitHub Actions to support CI</li> <li>• CD pipelines. Candidates also explore project management features such as creating and managing issues, using labels, milestones, and project boards, and tracking progress through GitHub Projects.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>• Project Management: This section is designed for Project Coordinators and Product Managers and focuses on using GitHub Projects for project management. Candidates learn to create and manage GitHub Projects, utilize project boards for organizing tasks, and integrate project workflows with issues and pull requests to maintain project visibility and progress.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>• Privacy, Security, and Administration: This domain measures skills of Security Administrators and Organization Managers in securing and administering GitHub environments. It covers ensuring repository security through branch protection rules, using security tools like Dependabot, managing access and permissions at repository and organization levels, creating and managing organizations, setting up organization-level security, and overseeing teams and members.</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>• Benefits of the GitHub Community: This section targets Community Managers and Open Source Contributors, focusing on engaging with the GitHub community. Candidates learn to participate in open source projects, utilize GitHub Discussions for collaboration and support, and contribute meaningfully to community-driven projects.</li> </ul>
Topic 6	<ul style="list-style-type: none"> <li>• Modern Development: This domain assesses abilities of DevOps Engineers and Continuous Integration Specialists in implementing modern development practices. It emphasizes understanding DevOps principles and leveraging GitHub Actions for automation and CI</li> <li>• CD pipeline implementation. Candidates also learn GitHub's tools and best practices for conducting and managing code reviews.</li> </ul>

## Microsoft GitHub Foundations Sample Questions (Q73-Q78):

### NEW QUESTION # 73

Which of the following best describes GitHub Copilot?

- A. An advanced search tool to intelligently reuse existing code in your projects
- B. A Visual Studio Code extension for developing AI solutions
- C. An AI pair programmer that offers autocomplete-style suggestions
- D. An AI tool designed to replace software developers

**Answer: C**

Explanation:

GitHub Copilot is described as an AI pair programmer that offers autocomplete-style suggestions. It is a tool integrated into development environments like Visual Studio Code that helps developers by providing code suggestions as they type. Copilot can suggest entire lines or blocks of code based on the context of what you're writing, making it a valuable assistant in coding, but not a replacement for developers.

### NEW QUESTION # 74

What should be done to locate an existing action that was provided by a GitHub-approved vendor?

(Each correct answer presents part of the solution. Choose two.)

- A. Search the GitHub Marketplace for Actions by the vendor.
- B. Confirm that the action has a verification badge.
- C. Install the GitHub App that was provided by the vendor.
- D. Add the vendor as an allowed Actions Source.
- E. Search the vendor's website for a github.yaml index.
- F. Create a new workflow file.

**Answer: A,B**

Explanation:

To locate an existing GitHub Action provided by a GitHub-approved vendor, you can use the following methods:

Verification Badge:

Option C is correct because actions provided by GitHub-approved vendors will typically have a verification badge. This badge indicates that the action is from a trusted source, giving users confidence in its security and reliability.

Search the GitHub Marketplace:

Option F is correct because GitHub Marketplace is the official location to find and install actions, including those provided by third-party vendors. You can search for actions by the vendor's name to find the specific one you need.

Incorrect Options:

Option A is not necessary to locate an existing action; creating a workflow file is for implementing the action, not locating it.

Option B is incorrect because searching the vendor's website for a `github.yml` index is not a standard practice for finding actions.

Option D is incorrect because installing a GitHub App is unrelated to finding an existing action.

Option E is incorrect because adding a vendor as an allowed Actions Source is a configuration step for using the action, not for locating it.

Reference:

GitHub Marketplace: Verified Actions

### NEW QUESTION # 75

What are the defining features of Git?

- A. Low-cost local branching, convenient staging areas, multiple workflows, and being designed for managing small projects
- B. Sequential version control, cloud-based hosting service, and being designed for collaboration on large projects
- C. Centralized version control, proprietary software, and being designed for small projects
- **D. Distributed version control, open source software, and being designed for handling projects of any size with efficiency**

**Answer: D**

Explanation:

Git is a widely-used version control system that has several defining features:

Distributed Version Control:

Git is a distributed version control system, meaning that every developer has a full copy of the entire repository, including its history, on their local machine. This enables greater flexibility, as work can be done offline and each user has access to the full project history.

Open Source Software:

Git is open-source, meaning its source code is freely available for use, modification, and distribution. This fosters a large community of users and contributors who continuously improve the software.

Efficiency with Large Projects:

Git is designed to handle projects of any size with speed and efficiency. It can manage large codebases and many contributors without significant performance degradation, making it suitable for everything from small personal projects to large, complex software systems.

Incorrect Options:

Option B is incorrect because Git is not a sequential version control system, nor is it inherently tied to cloud-based services. GitHub, GitLab, and other platforms offer cloud hosting for Git repositories, but Git itself is a version control tool.

Option C is incorrect because Git is not limited to small projects; it is designed to scale efficiently, and the other features mentioned are only partial descriptions of Git's capabilities.

Option D is incorrect because Git is not a centralized version control system; it is distributed. Additionally, Git is open-source, not proprietary, and is used for projects of all sizes.

Reference:

Pro Git Book: What is Git?

Git Documentation: Distributed Version Control

GitHub Docs: Understanding the Git Workflow

### NEW QUESTION # 76

While maintaining the gist history, which of the following is the most efficient way to create a public gist based on another user's gist?

- A. Request to be added to the existing gist.
- B. Create a new gist and copy the content from the existing gist.
- **C. Fork the gist.**

- D. Clone the gist.

**Answer: C**

Explanation:

Forking a gist is the most efficient way to create a public gist based on another user's gist while maintaining the history of the original gist. When you fork a gist, you create a new gist in your own account that retains a link to the original, allowing you to track changes and contribute back if desired.

Forking a Gist:

Option A is correct because forking is a straightforward way to create your own copy of another user's gist while preserving the history and making it easy to track updates.

Incorrect Options:

Option B is incorrect because creating a new gist and copying the content would not preserve the history or link back to the original gist.

Option C is incorrect because cloning is typically associated with repositories, not gists, and is more complex than forking for this purpose.

Option D is incorrect because requesting to be added to the existing gist is not a standard GitHub feature.

Reference:

GitHub Docs: Forking Gists

### NEW QUESTION # 77

Which of the following is a key characteristic of GitHub Projects?

- **A. Ability to create and customize multiple views**
- B. Ability to enforce required fields
- C. Ability to import Gantt charts from Microsoft Project
- D. Ability to visualize the commit history

**Answer: A**

Explanation:

GitHub Projects is a flexible and powerful tool for project management that allows users to manage their work with ease. One of the key characteristics of GitHub Projects is the ability to create and customize multiple views. This feature enables teams to tailor the project management experience to their specific workflow needs, offering various ways to visualize tasks, issues, and work items.

Custom Views: You can set up different views like Kanban boards, tables, or timelines, and apply filters to show only what is relevant for a particular aspect of the project. This customization allows teams to organize their work in a way that best suits their processes, making it a highly adaptable project management tool.

Other options, such as visualizing commit history (which would fall under the 'Insights' feature), importing Gantt charts (which GitHub Projects does not natively support), or enforcing required fields (which might relate to form-based tools but not to GitHub Projects specifically), do not align with the key characteristics of GitHub Projects.

### NEW QUESTION # 78

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